

FIGURE 1

Wildtype Locus

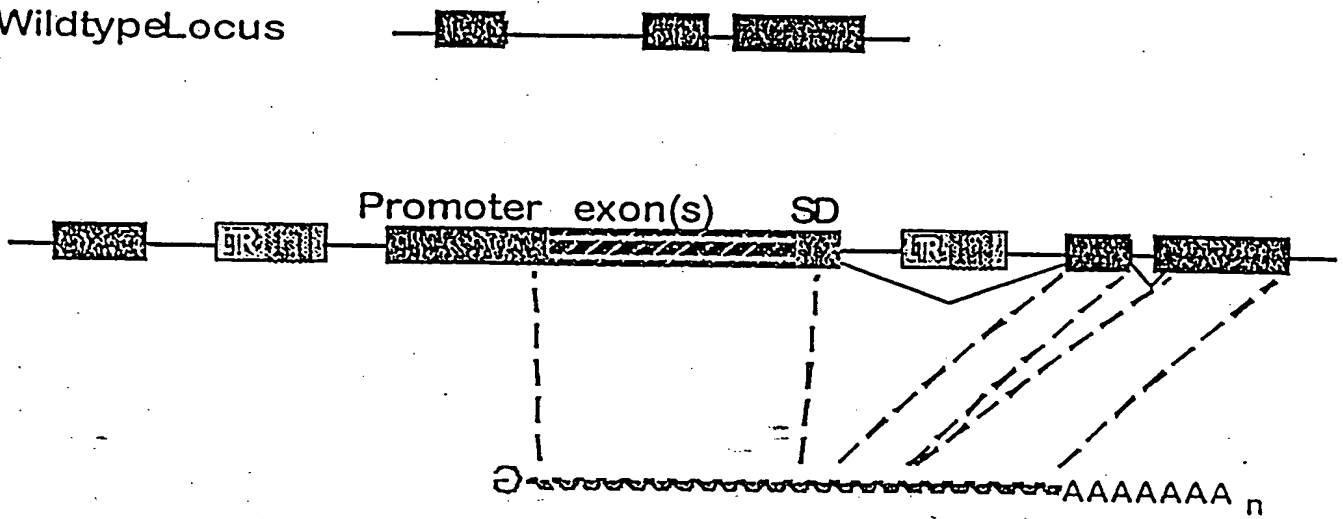


FIGURE 2

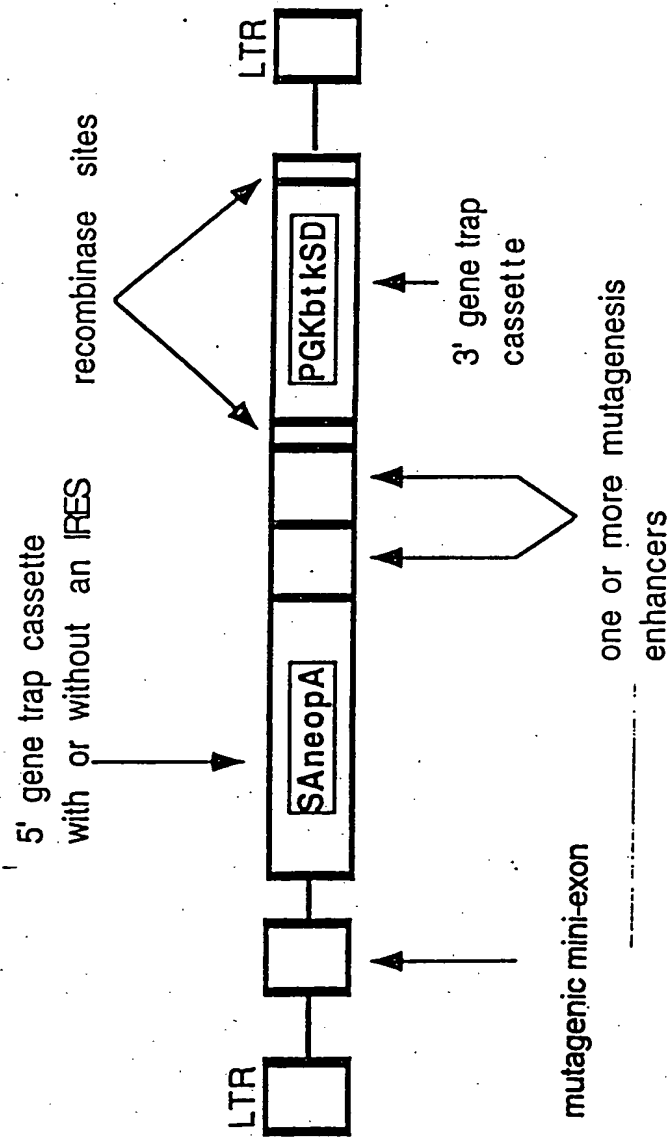


FIGURE 3a

5' CACGTCTGCAGATCATGAGGATGCTAATCCTTGATGGCATGCACTATG
CGCGATGATCTGCAGACGTG 3'

Predicted secondary structure and cleavage site for LEX-SCS1 transcribed RNA

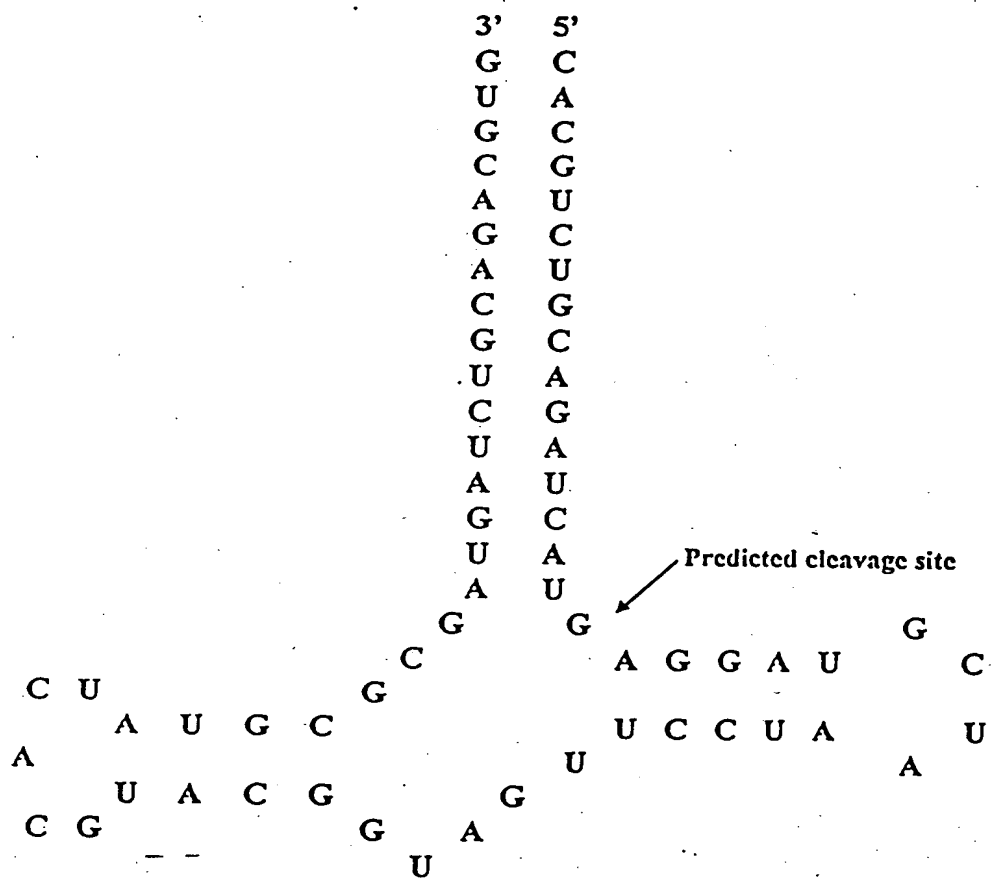


FIGURE 3b

5' CACGTCTGCAGTCCGGAGGAGTGTGTTTCTCCTCCGCTGATGAGTCCG
TGAGGACGAAACTGCAGACGTG3'

Predicted secondary structure and cleavage site for LEX-SCS2 transcribed RNA

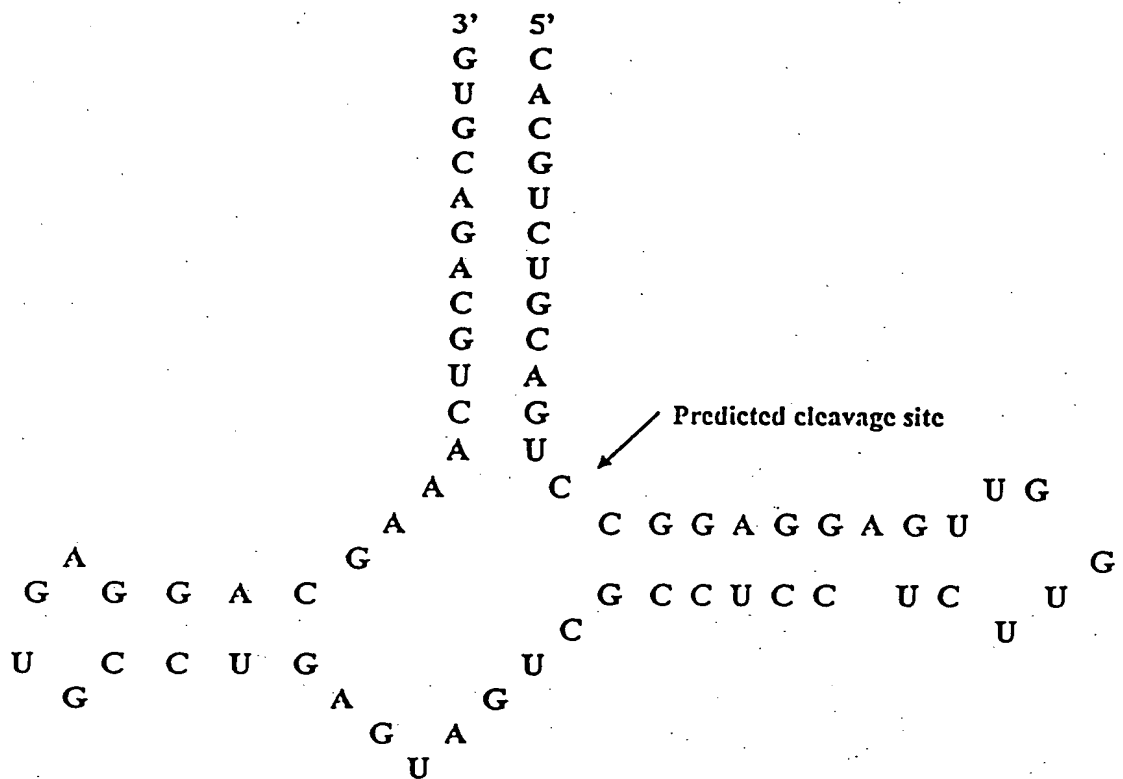


Figure 4

GGATCCGAATTCTCGAGGCTAAGCCAGTTTTTCGTACCCTTGACTGCGTTTCATCGATTGCTACTAACATTGCCTTTTCC
TCCTTCCCTCCCACAGGTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAG
AGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTTCGAACTTGTGTGCATGCGTTCTAAAAGGGCTTCTCTTGGT
GTTCGATCTGGGGCTAAGCTTAATTAAGAATTCGGATCC

Figure 5.

GTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

ATGTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

GTGGAAGAGCTCGGGTACC (N) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring});

ATGTGGAAGAGCTCGGGTACC (R) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring});

ATGTGGAAGAGCTCGGGTACC (V) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring});

AGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGT (intron_{synthetic or naturally occurring});

ATGGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

ATGG (AGAGG) _{1..50} GAGTTCGCATGTGCTT;

ATGG (AGAGG) _{1..50} (intron_{synthetic or naturally occurring}).

n<500